

PMP2612_REVC BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR	Area
2	C1	22uF	Capacitor, Ceramic, 16V, X5R, 20%	1210	C3225X5R1C226M	TDK	
1	C2	1000pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	Std	TDK	
1	C3	330pF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	TDK	
1	C4	22nF	Capacitor, Ceramic, 50-V, X7R, 15%	0603	Std	TDK	
1	C5	330nF	Capacitor, Ceramic, 50-V, X7R, 15%	0603	Std	TDK	
1	C6	1uF	Capacitor, Ceramic, 25V, X7R, 15%	0805	Std	TDK	
1	C7	150pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	Std	TDK	
1	C9	560pF	Capacitor, Ceramic, 50-V, X7R, 15%	0603	Std	TDK	
	C10	22uF	Capacitor, Ceramic, 16V, X5R, 20%	1210	C3225X5R1C226M	TDK	
1	C11	47uF	Capacitor, Ceramic, 10V, X5R, 20%	1210	C3225X5R1A476M	TDK	
1	C12	1 uF	Capacitor, Ceramic, 10V, X5R, 10%	0603	C1608X5R1A105M	TDK	
1	C13	100 nF	Capacitor, Ceramic, 50V, X5R, 10%	0603	C1608X5R1H104M	TDK	
1	C14	10 nF	Capacitor, Ceramic, 50V, X5R, 10%	0603	C1608X5R1H103M	TDK	
1	D1	MBRS540TR	Diode, Schottky, 5A, 40V	SMA	STD	STD	
2	J1	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED1514	OST	
	J2	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED1514	OST	
1	L1	27uH	Inductor, SMT, 2A, 65milliohm	0.484 x 0.484 inch	MSS1260-273MLD	Coilcraft	
1	Q1		MOSFET, Pch, -60Vds, 3.5A, 120 milliohm	SO8	Si9407BDY	Vishay	
1	R1	0.05	Resistor, Chip, 1/10W, 1%	0805	Std	Std	
1	R2	95.3K	Resistor, Chip, 1/16-W, 1%	0603	Std	Std	
1	R3	1.00K	Resistor, Chip, 1/16W, 1%	0603	Std	Std	
1	R4	10	Resistor, Chip, 1/16-W, 1%	0603	Std	Std	
1	R5	10K	Resistor, Chip, 1/16W, 1%	0603	Std	Std	
1	R6	5.6K	Resistor, Chip, 1/16-W, 1%	0603	Std	Std	
1	R7	39K	Resistor, Chip, 1/16-W, 1%	0603	Std	Std	
1	R8	100K	Resistor, Chip, 1/16W, 1%	0603	Std	Std	
1	R9	49.9	Resistor, Chip, 1/16-W, 1%	0603	Std	Std	
7	TP1	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	
	TP2	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	
	TP4	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	
3	TP5	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	
	TP6	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	
	TP7	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	
	TP8	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	
	TP9	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	
	TP10	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	
	TP11	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	
1	U1	TPS40200D	IC, Low Cost Sync Buck Controller	SO-8	TPS40200D	TI	

- Notes:
1. These assemblies are ESD sensitive, ESD precautions shall be observed.
 2. These assemblies must be clean and free from flux and all contaminants.
Use of no clean flux is not acceptable.
 3. These assemblies must comply with workmanship standards IPC-A-610 Class 2.
 4. Ref designators marked with an asterisk (***) cannot be substituted.
All other components can be substituted with equivalent MFG's components.

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